COVERAGE NAME: OZONE

COVERAGE AREA: Statewide

COVERAGE DESCRIPTION:

The 'OZONE' coverage is a statewide polygon coverage which represents the Federal EPA's classification of geographic areas within California as to their status in attaining National Ambient Air Quality Standards for ozone. The coverage shows EPA-designated areas (comprised of counties, partial counties, air basins, drainage's and urbanized areas) and contains attribute information revealing the attainment designation, the severity of non-attainment and other information. The coding is based upon the Code of Federal Regulations, Title 40 part 81, entitled "Designation of Areas for Air Quality Planning Purposes" (Federal Register Volume 56, Number 215, November 6, 1991 and subsequent revisions, as reflected in Section 81.305 on web page http://www.epa.gov/airprogm/oar/oaqps/greenbk/ozone1hr/dec97/cfr81ca.txt as of 10/15/1998.)

The coverage was created for the California Department of Transportation, Division of Highways by Teale Data Center's GIS staff.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 00 00 (34.0 degrees N)
2nd Std. Parallel:	40 30 00 (40.5 degrees N)
Longitude of Origin:	-120 00 00 (120.0 degrees W)
Latitude of Origin:	00 00 00 (0.0 degrees)
False Easting (X shift):	0
False Northing (Y shift):	-4,000,000
Source:	Teale data layers (county, Public Land Survey System, air-basins, hydro) Tahoe Regional Planning Agency (BASIN_BND) Caltrans (urban/rural boundary coverage) US Code of Federal Regulations Title 40 Part 81 promulgated by the U.S. Environmental Protection Agency.
Source Media:	Digital files
Source Projection:	Teale Statewide Albers projection (see above)
Source Units:	Meters
Source Scale:	1:100,000, mostly.
Capture Method:	Component features taken from source data and assembled into coverages
Conversion Software:	ARC/INFO rev. 6.1
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	.2 meters
Number of Features:	121
Layer Size:	5.413 MB (compressed export file)

Data Updated: August 1994; March 1995 edits and attribute corrections; October
                            1998 attribute corrections to reflect amended regulations; February
                            2000 to reflect regs amended in July 1999.

DATA DICTIONARY:

DATAFILE NAME: OZONE.PAT
RECORD LENGTH: 215

(The standard ARC/INFO fields AREA, PERIMETER, <coverage>#, and <coverage>-ID
are not described here)

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	CO	3	3	C	-
28	COUNTY_NAME	30	30	C	-
58	COUNTY_NUM	3	3	I	-
61	BASIN_NAME	40	40	C	-
101	NONATTFLAG	1	1	I	-
102	DESIG_DATE	8	8	C	-
110	DESIG_TYPE	40	40	C	-
150	DESIG_AREA	40	40	C	-
190	CLASS_DATE	8	8	C	-
198	CLASS_TYPE	20	20	C	-
218	CLASS_PPM	8	8	C	-
226	PSYMBOL	3	3	I	-

CO: Caltrans county abbreviation

COUNTY_NAME: Name of the county in which the polygon is located.

COUNTY_NUM: Number of the county in which the polygon is located.

BASIN_NAME: Name of the air basin in which the polygon is located.

NONATTFLAG: Integer number used to differentiate polygons according to their status
                'Nonattainment', 'Unclassifiable/Attainment' or '1-hour standard NOT
                APPLICABLE'. Based on the DESIG_TYPE item. Range 0-2

                0 = Unclassifiable/Attainment or Attainment
                1 = Nonattainment
                2 = 1-hour standard NOT APPLICABLE

DESIG_DATE: Effective date of EPA's Title 40 Part 81
                regulations (40CFR81).

DESIG_TYPE: Federal Area Ozone Attainment Designation.

('Nonattainment', 'Unclassifiable/Attainment', 'Attainment', '1 hr. std. NA')

DESIG_AREA: Federal attainment area names (various)

CLASS_DATE: Effective date of Title 40 Part 81 regulations.

CLASS_TYPE: Federal non-attainment area ozone classification descriptor.
('Transitional', 'Moderate', 'Serious',
'Severe-15', 'Severe-17', 'Extreme', 'Sec.185A Area')

CLASS_PPM: Federal area ozone concentration classification, descriptor. Assumed to be in parts per million. (15,17,Unknown)

PSYMBOL: Integer number used to shade polygons. Based on the designation type (DESIG_TYPE) and classification type (CLASS_TYPE). Range 0-8

0 = Unclassifiable/Attainment or Attainment
1 = Nonattainment/Transitional
2 = Nonattainment/Moderate
3 = Nonattainment/Serious
4 = Nonattainment/Severe - 15
5 = Nonattainment/Severe - 17
6 = Nonattainment/Extreme
7 = 1-hour standard NOT APPLICABLE
8 = Nonattainment/Section 185A Area

DATA QUALITY ASSESSMENT:

The following are subjective comments regarding this data.

The layer is complete and as accurate as the layers from which the components were taken. The regulations, which define the areas and designations, were followed in every case except where they purport to define a line in San Bernardino County and instead define a point (Federal Register, Vol. 56, No. 215, 11/6/91, pp. 56726 and 52731). With the agreement of CALTRANS, lines were extended due west and due south from the defined point, enclosing an area in the southwestern portion of the county.